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AP - JP19920358661 19921228

CPY - NITT

DC - A12 A14 A81 B07 D13 D21 G03 X12

DR - 5039-U

FS - CPI;EPI

IC - A61K9/70 ; C08F220/58 ; C09J133/00

MC - A04-A A04-D04A1 A10-B06 A12-A05B1 B04-C03B D03-H01J D08-B01 D08-B09A
D09-C G03-B02D1

- X12-E02B

M1 - [01] H4 H403 H483 H7 H714 H721 H722 H8 J0 J011 J012 J3 J371 J372 K0 K4
K431 M210 M212 M262 M280 M281 M282 M311 M313 M314 M321 M332 M333 M342
M343 M383 M391 M423 M510 M520 M530 M540 M620 M630 M720 M781 M903 M904
N152 Q120 Q254 Q331 V742; R00113-P R00113-Q R00113-U R03538-P R03538-Q
R03538-U R08767-P R08767-Q R08767-U

PA - (NITT) NITTO CHEM IND CO LTD

PN - JP6200224 A 19940719 DW199433 C09J133/00 004pp

PR - JP19920358661 19921228

XA - C1994-123430

XIC - A61K-009/70 ; C08F-220/58 ; C09J-133/00

XP - N1994-212350

AB - J06200224 A new high-adhesion hydrogen compsn. is prep'd. by copolymerising 20-60 pts.wt. of 2-acrylamido-2-methyl propane sulphonic acid and/or its salt(s) and 0.03-0.08 pt.wt. of a crosslinking monomer(s) at a pH of 5.5 or higher in a mixt. comprising 20-60 pts.wt. of a polyhydric alcohol(s) and 10-50 pts.wt. of an aq. medium by radiating UV light.

- USE/ADVANTAGE - The compsn. has high adhesion, leaves little residual monomers and can be prep'd. efficiently. Useful in construction, horticulture, food, medical, cosmetic and electrical industries.

- In an example, 38g of sodium 2-acrylamido-2-methyl propane sulphonate was dissolved in 23.6g of ion-exchanged water, which was pH-adjusted to 6.0. The mixt. was added with 38g glycerol, 0.020-0.10 pt.wt. of methylenebisacrylamide as a crosslinking monomer and 150 ppm, relative to the amt. of the soln. of benzoin ethyl ether as a photoinitiator, mixed thoroughly and defoamed in a vacuum. The resultant soln. was poured into a mould frame, sealed with a polyester film and radiated with the light from a 15W low-pressure mercury lamp at room temp. for 15 min. to polymerise. The hydrogel compsn. obt'd. had an adhesion of 13 sec., in terms of the time for a 100g weight to drop after pressed toward the sheet, a good gel strength for the 12.5g load and an amt. of residual monomers of 0.11%, relative to the amt. of the monomers used.(Dwg.0/0)

CN - R00113-P R00113-Q R00113-U R03538-P R03538-Q R03538-U R08767-P
R08767-Q R08767-U

IW - HIGH ADHESIVE HYDROGEN COMPOSITION LEAF RESIDUE MONOMER PREPARATION COPOLYMERISE ACRYLAMIDO METHYL PROPANE SULPHONIC ACID SPECIFIC AMOUNT SALT CROSSLINK MONOMER MIXTURE POLY OL ULTRAVIOLET IRRADIATE

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NC - 001

OPD - 1992-12-28

ORD - 1994-07-19

PAW - (NITT) NITTO CHEM IND CO LTD

TI - High-adhesion hydrogen compsn. which leaves little residual monomer -
prepd. by copolymerising 2-acrylamido -2-methyl propane sulphonic acid
and/or specific amts. of salts and crosslinking monomers in mixt. of
poly:ol(s) while UV irradiating

A01 - [001] 017 ; H0022 H0011 ; G0464 G0453 G0260 G0022 D01 D12 D10 D51
D53 F70 D11 D58 D61-R D87 F62 Na 1A ; R08767 G0817 D01 D11 D10 D12
D51 D54 D57 D58 D87 F70 ; M9999 M2073 ; S9999 S1365 ; K9869 K9847
K9790 ; L9999 L2528 L2506 ; L9999 L2664 L2506 ; K9370 ; S9999
S1434 ; K9949 ; P0088 ;
- [002] 017 ; H0022 H0011 ; R03538 G0453 G0260 G0022 D01 D11 D10 D12
D51 D53 D58 D60 D87 F62 F70 ; R08767 G0817 D01 D11 D10 D12 D51 D54
D57 D58 D87 F70 ; M9999 M2073 ; S9999 S1365 ; K9869 K9847 K9790 ;
L9999 L2528 L2506 ; L9999 L2664 L2506 ; K9370 ; S9999 S1434 ;
K9949 ; P0088 ;
- [003] 017 ; G0464 G0453 G0260 G0022 D01 D12 D10 D51 D53 F70 D11 D58
D61-R D87 F62 Na 1A ; R03538 G0453 G0260 G0022 D01 D11 D10 D12 D51
D53 D58 D60 D87 F62 F70 ; R08767 G0817 D01 D11 D10 D12 D51 D54 D57
D58 D87 F70 ; M9999 M2073 ; S9999 S1365 ; K9869 K9847 K9790 ;
L9999 L2528 L2506 ; L9999 L2664 L2506 ; K9370 ; S9999 S1434 ;
K9949 ; H0033 H0011 ; P0088 ;
- [004] 017 ; ND04 ; B9999 B3725 B3690 ; Q9999 Q7589-R ; Q9999
Q6826-R ; Q9999 Q6995-R ; Q9999 Q6702-R ; Q9999 Q7987-R ; Q9999
Q9165-R ; Q9999 Q7330-R ; B9999 B5301 B5298 B5276 ; J9999 J2904 ;
N9999 N6440-R ; N9999 N6564 ; J9999 J2948 J2915 ; N9999 N5743 ;
B9999 B4091-R B3838 B3747 ;
- [005] 017 ; R03351 D01 D11 D10 D19 D18 D32 D50 D93 F23 F34 ; C999
C077 C000 ; C999 C293 ;
- [006] 017 ; D01 F29 F26 F28 ; R00113 G1070 G0997 D01 D11 D10 D50 D83
F29 F26 ; A999 A475 ; A999 A771 ;
A02 - [001] 017 ; P0839-R F41 D01 D63 ; S9999 S1285-R ;
- [002] 017 ; Q9999 Q9018 ; J9999 J2904 ; Q9999 Q7932 Q7885 ; ND01 ;